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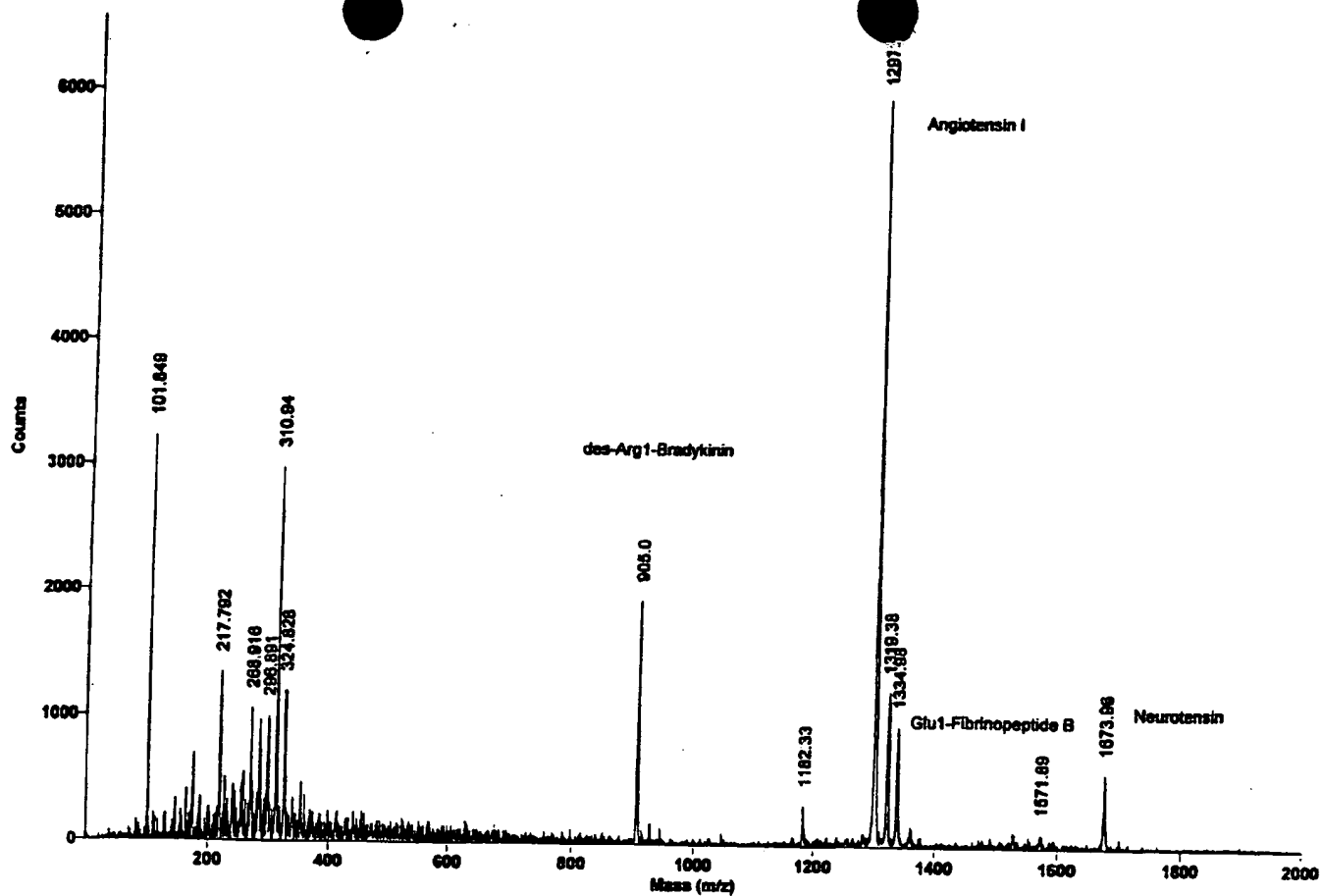


Figure 1.

Mass spectrum showing relative intensity (Counts) versus mass-to-charge ratio (m/z). The base peak is at m/z 102.34. Other significant peaks are labeled at m/z 73.21, 130.15, 145.04, 165.04, 187.11, 175.09, 201.05, 221.05, 241.05, 261.05, 281.05, 301.05, 321.05, 341.05, 361.05, 372.94, and 392.94.

Figure 2.

Method: UNLH.1
Mode: Linear
Accelerating Voltage: 15000
Grid Voltage: 85 000 %
Grid Wire Voltage: 0.250 %
Quadr. 150.00
Beam: E2
Sample: C2

Beam: 2100
Current Averaged: 50
Pretune: 1.7e-07
Low Noise Data: OFF
Triton Ion Selector: 582.2 OFF
Negative Ions: OFF
Collector: 1026400 5.11 PM

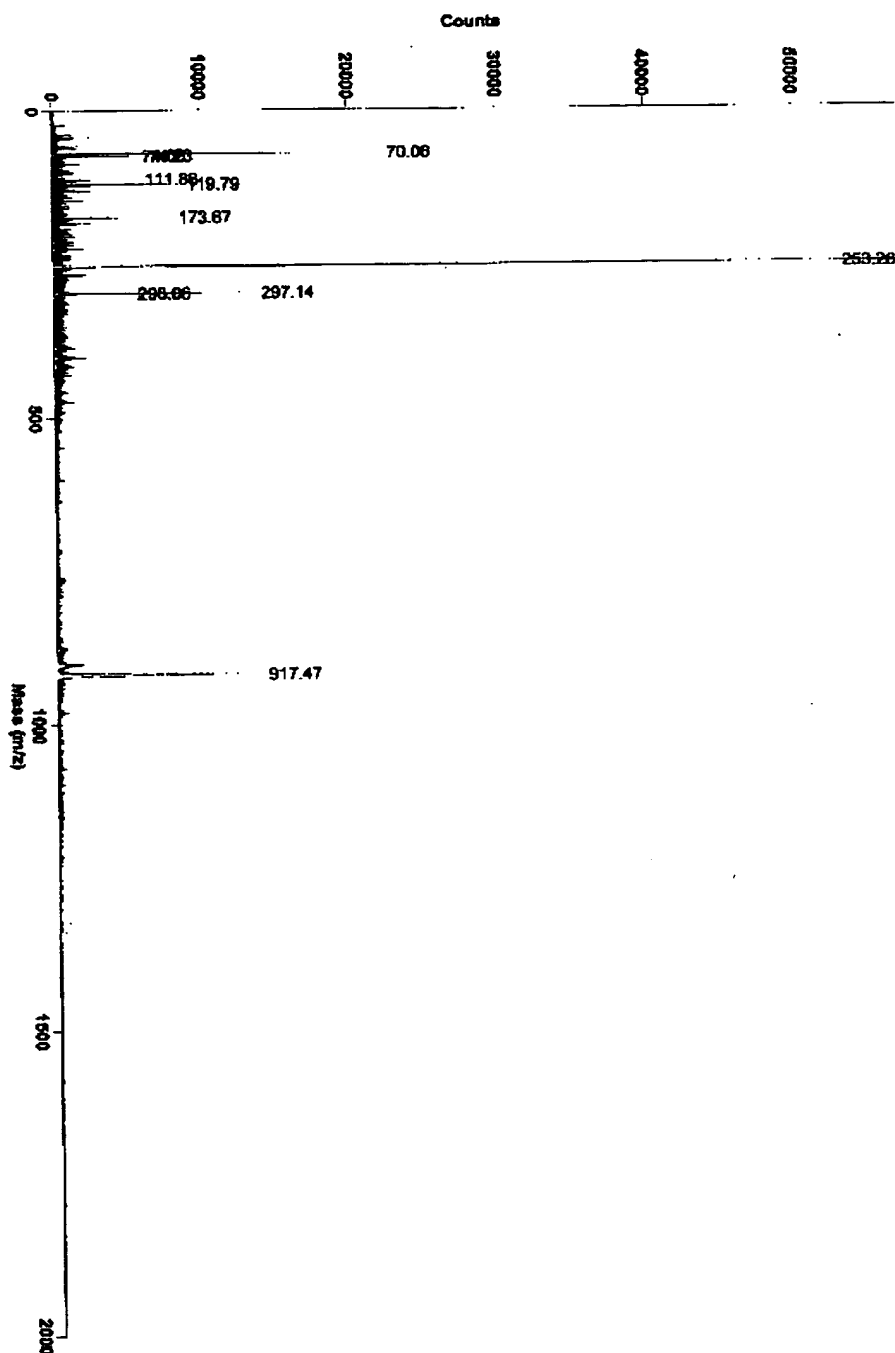


Figure 3.

Mass spectrum of compound **1**. The x-axis represents the mass-to-charge ratio (m/z) from 0 to 1500, and the y-axis represents relative intensity from 0 to 100. The base peak is at m/z 1673. Other significant peaks are labeled at m/z 905, 1297, and 1571.

1000

Figure 5.

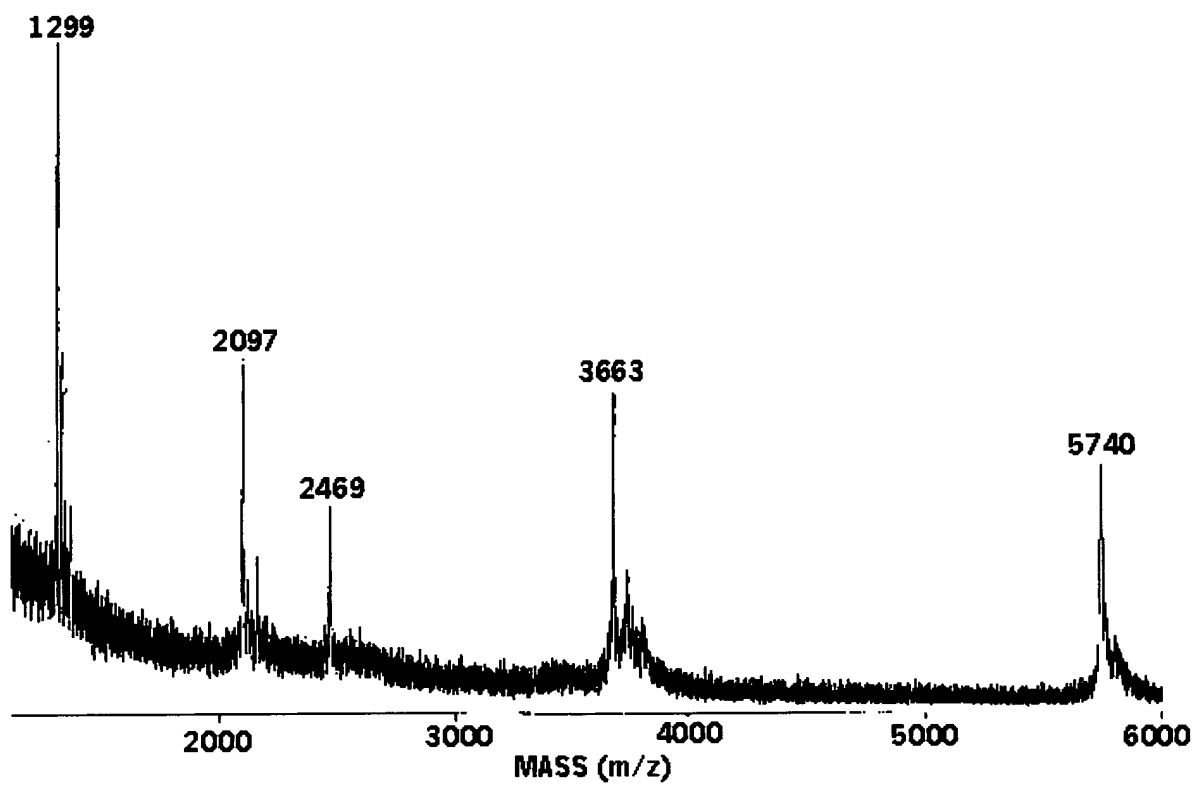


Figure 6.

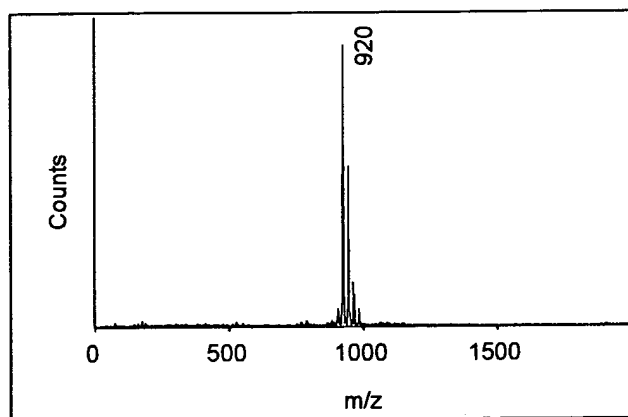
[illegible]

Figure 7.

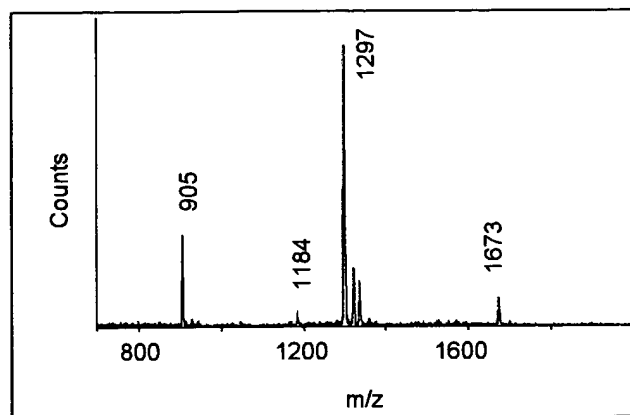


Figure 8.

Mass spectrum showing relative intensity (Counts) versus mass-to-charge ratio (m/z). The spectrum displays several peaks, with the base peak at m/z 905. Other labeled peaks include m/z 1184, 1297, 1571, and 1673.

Figure 9.

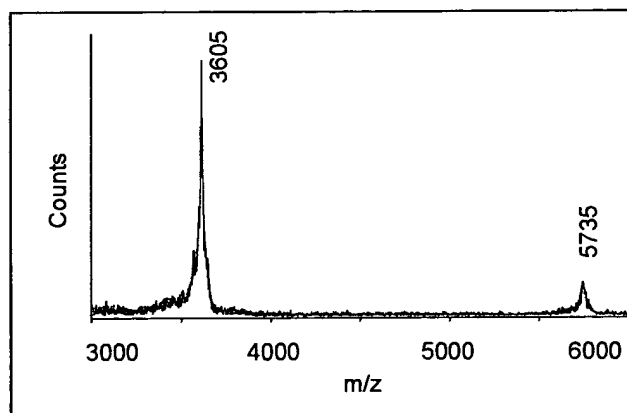


Figure 10.

A scatter plot showing the relationship between 337nm Reflectivity (%) on the x-axis and Laser Power Per Pulse (uJ) on the y-axis. The x-axis ranges from 10 to 60 with major ticks every 10 units. The y-axis ranges from 1 to 6 with major ticks every 0.5 units. Three data points are plotted, showing a positive correlation between reflectivity and laser power.

337nm Reflectivity (%)	Laser Power Per Pulse (uJ)
23	1.8
35	3.8
49	4.8

Figure 11.

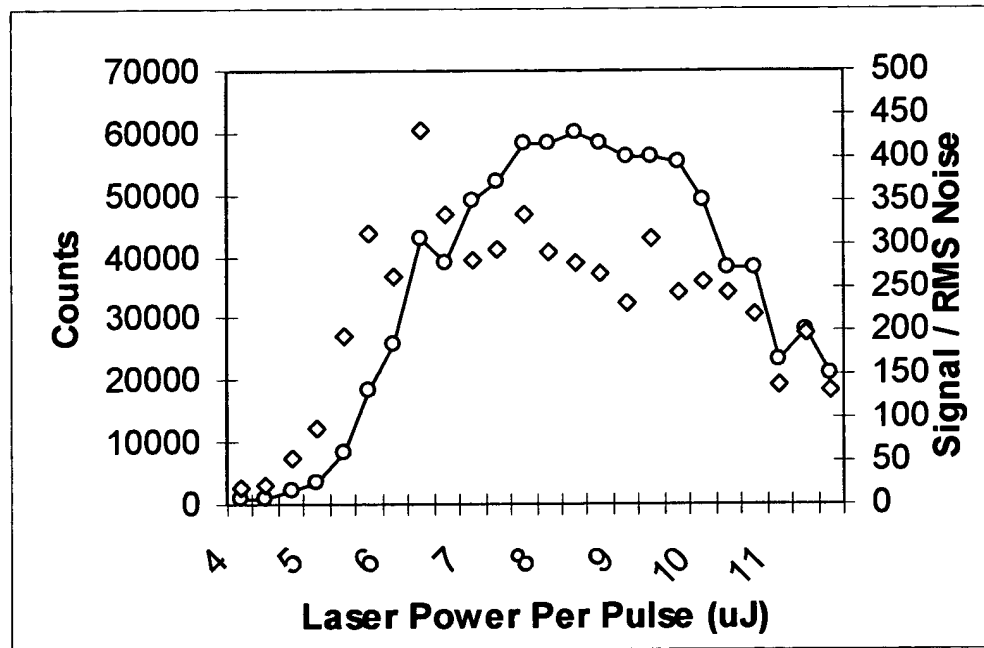
[illegible]

Figure 12.

Mass spectrum showing relative intensity (Counts) versus mass-to-charge ratio (m/z). The base peak is at m/z 287. Other labeled peaks include 130, 648, 716, 763, 840, 1037, 1065, 1527, and 1806.

Figure 13.

~30 Å

~100 Å

Si

Glass

0.1 μm

Temperature	120 °C
Power	500 W
Pressure	7.8 mTorr

Figure 14a.

100C PVD Si on Wafer

Mag = 100.00 K X

200nm

EHT = 2.50 kV

WD = 2 mm

Signal A = InLens

Date: 21 Sep 2000

Time: 11:33

Figure 14b.

Figure 5. Relative molecular detection counts versus oxide coating thickness.

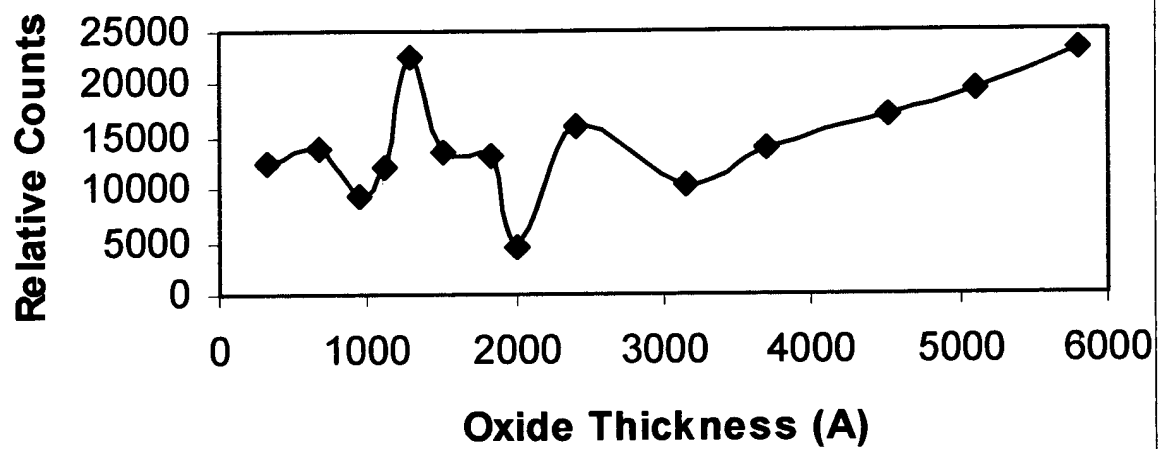


Figure 16.

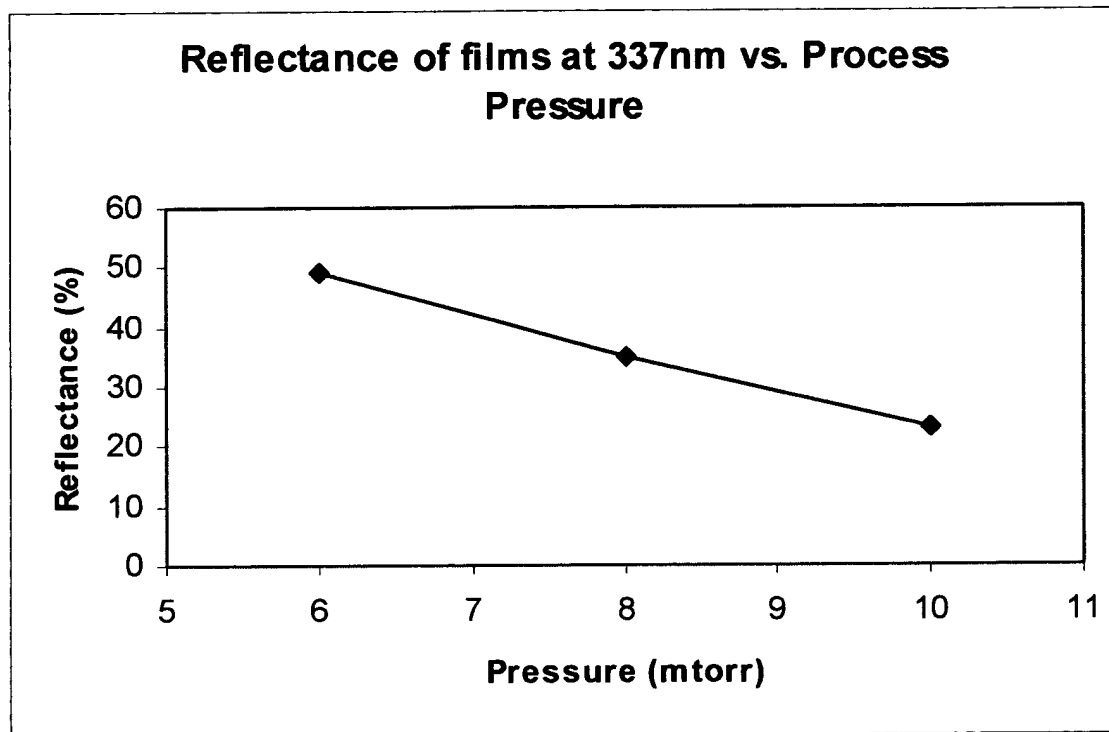


Figure 17.

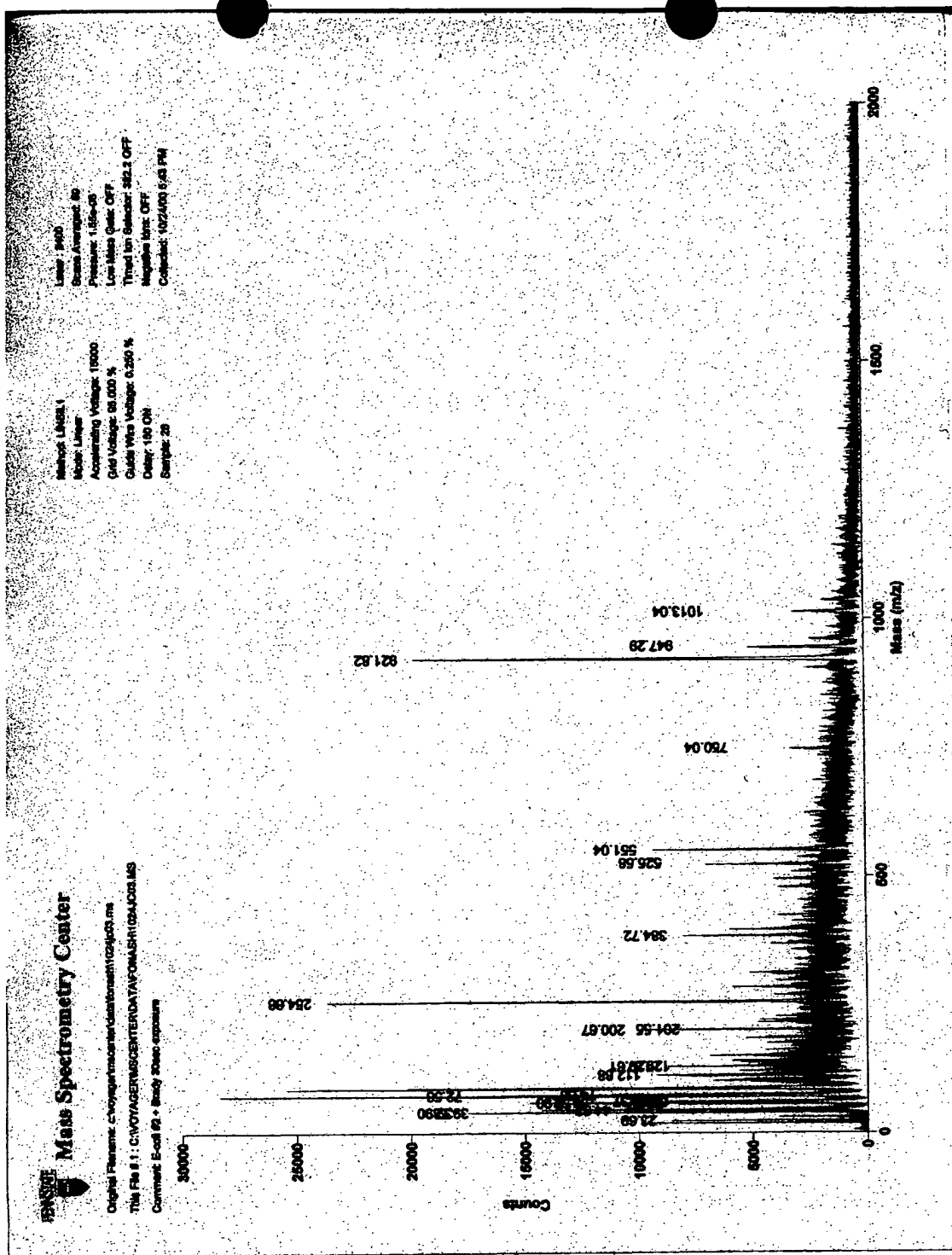


Figure 18b.

RMU-DE Mass Spectrometry Center

Original Filename: c:\vo\AGER\MS\CENTERDATA\AFQWASH1013402.ms
 This File # : C:\VO\AGER\MS\CENTERDATA\AFQWASH1013402.MS
 Comment: LB control

Method: LINSIL1
 Mode: Linear
 Accelerating Voltage: 15000
 G14 Voltage: 95.000 %
 Guide Wire Voltage: 0.250 %
 Delay: 150 ON
 Sample: 43

Laser: 2300
 Beam Averaged: 50
 Pressure: 1.50e-06
 Low Mass Gate: OFF
 Titled Ion Scanner: 382.2 OFF
 Negative Ions: OFF
 Collected: 10/13/00 11:52 AM

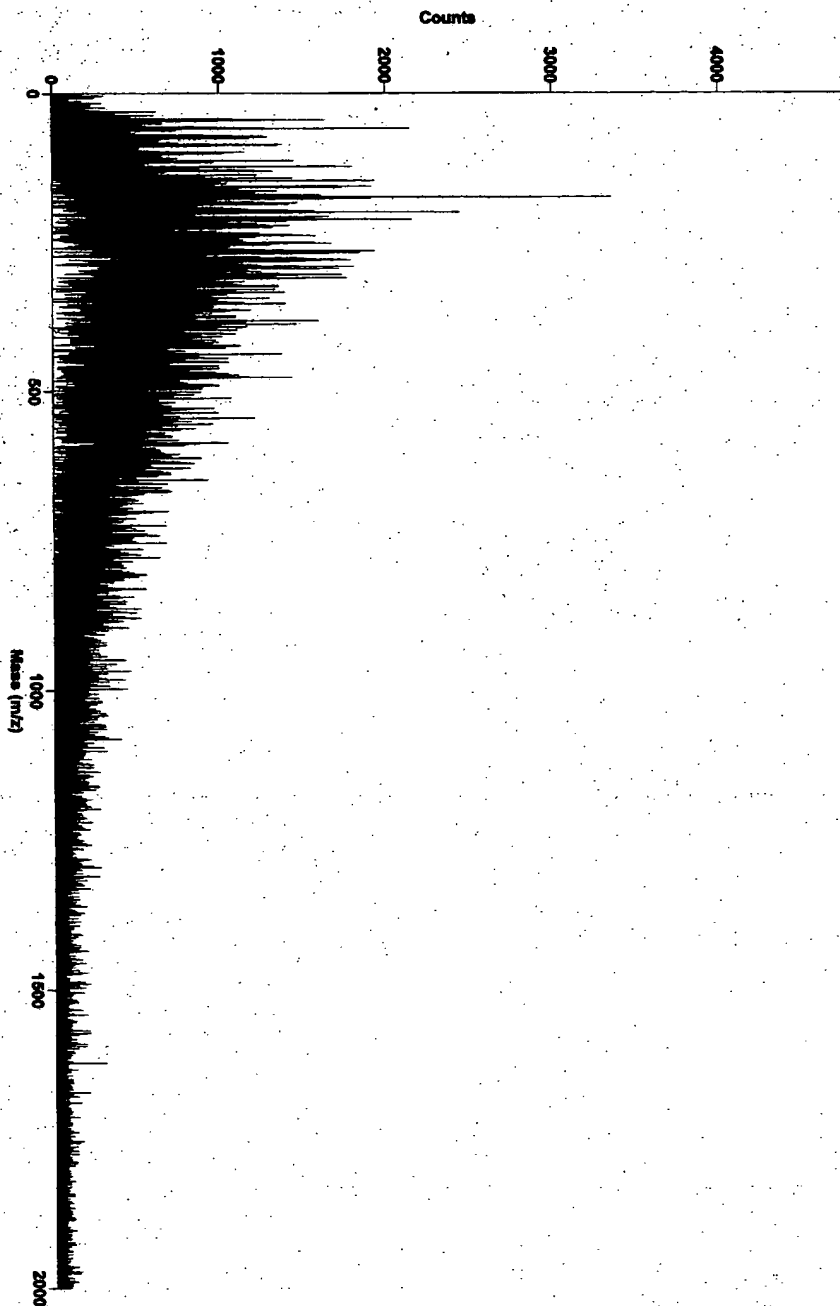


Figure 19a.

00730940 121000

005127 0705450

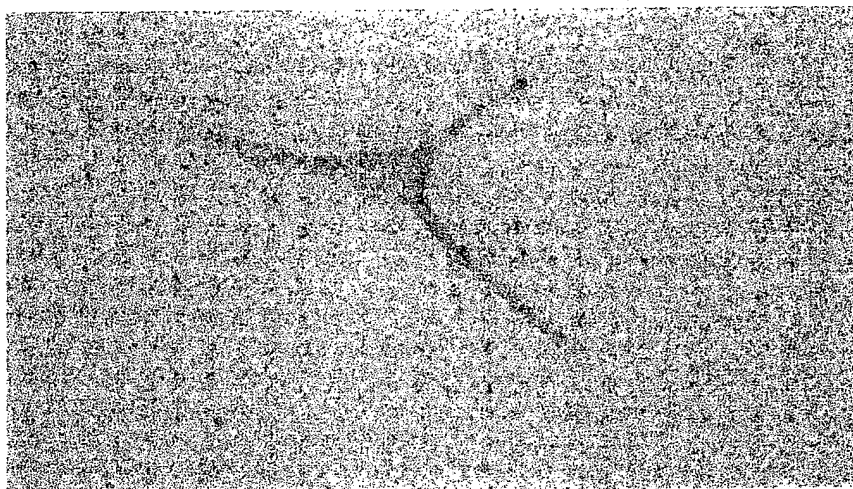


Figure 20.

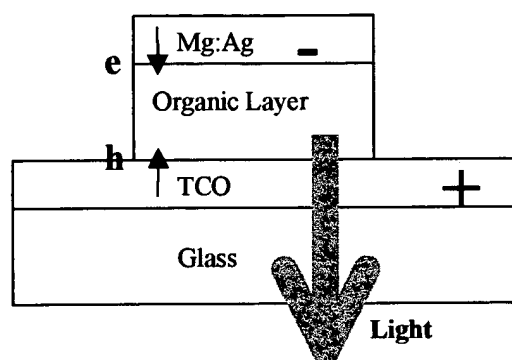


Figure 21.

